



Action Center for
Environmental
Learning (ACEL)

ChemCom Teacher
Training

Outdoor
Classroom Curriculum

Encouragement In
Science Essay
Competition

Earth Day
Treasure Hunts, Open
House, ESE Exhibits,
Environmental Art
Exhibits, Lab Tours

Career
Exploration

Partners In Education
School

Adopt-A-Stream

Summer Interns

Classroom
Demonstrations

Community
Science Day

Environmental Science

The Environmental Science Education (ESE) program of the U.S. Environmental Protection Agency's National Exposure Research Laboratory-Ecosystems Research Division provides schools and the general public with results of the Agency's basic and applied environmental research in a format that is easily understood. Examples include conceptual models, curriculum materials, hands-on lessons/ interactive exercises, journal record-keeping for scientific method data collection and environmental awareness training. The services offered through the program include teacher training, workshop presentations, lecture-demo participation, field trips and lab tours — all of these can be customized to the needs of the requester.

Teacher Training

Chem-Com (Chemistry-in-the-Community) is a program taught by a certified American Chemical Society (ACS) high school science teacher. Participating teachers from various Southern states have completed the courses and returned to their school systems to teach environmental science and/or to train other teachers.



*Learning about environmental scientific
research indirectly enhances our way of life*

Environmental Science Education

Lab Tours

Tours of our Action Center for Environmental Learning (ACEL) highlight eight stations manned by research scientists featuring various environmental issues. Students rotate to each station for a two-hour, hands-on learning session with specific interactive models. The goal of the Center is to present a holistic view of environmental problems and solutions and to raise awareness of environmental stewardship. Issues explored include watersheds, ground water, run-off, landfills, pollution prevention, composting, and auto emissions.

Guest Teacher

The ESE program fulfills requests from school systems to conduct interactive learning sessions in conjunction with students' environment and health units of study.



Knowledge of credible environmental science makes a strong foundation for improving environmental stewardship.

Student Training

Undergraduate students from across the United States are trained in our laboratory either under the auspices of a Memorandum of Understanding or through various types of funding assistance in cooperation with institutions of higher learning. All efforts are designed to educate and train potential future scientists and engineers. Also, the ESE program is a valuable source of assistance for young students preparing for science fair projects.



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Ecosystems Research Division

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